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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Allen et al.
Serial No: 09/779,209
Confirmation No: 6630
Filed: February 8, 2001
For: CACHE WITH DMA CAPABILITIES AND METHOD
FOR OPERATING SAME
Examiner: Fritz M. Fleming
Art Unit: 2182


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Paula K. Fairweather

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**RESPONSE TO REQUIREMENT FOR RESTRICTION
AND ELECTION OF SPECIES**

Sir:

This responds to the requirement for restriction and election of species mailed January 29, 2004 in the above-identified application.

The Examiner has required restriction to one of the following inventions under 35 U.S.C. § 121.

- Group I. Claims 1-39, directed to a memory with DMA, classified in class 710, subclass 22.
- Group II. Claims 40-56, directed to a cache memory without DMA, classified in class 711, subclass 118.

In response, Applicant hereby elects Group I, claims 1-39, for prosecution in the present application.

It is submitted that at least claims 40-52 are improperly placed in Group II. Claims 40-52 refer to a first device and a second device. The second device may be a data transfer engine such as a DMA controller. Accordingly, the Examiner is respectfully requested to move claims 40-52 from Group II to Group I.

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The requirement for restriction is respectfully traversed. The claims are closely related and can most efficiently be examined in a single application. It is submitted that the searches for the two claim groups would be coextensive. Accordingly, withdrawal of the requirement for restriction is respectfully requested.

The Examiner asserts that the application contains claims directed to the following patentably distinct species of the claimed invention. One species of claims involves a cache memory with DMA and the other species of claims does not involve DMA.

In response, Applicant hereby elects the species which involves a cache memory with DMA. Claims 1-56 read on the elected species. None of the claims exclude the use of DMA.

The application is now ready for examination on the merits. If there are questions regarding this response, the Examiner is requested to telephone Applicants' undersigned Attorney.

Respectfully submitted,
Allen et al., Applicant

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